

ENVIRONMENTAL PROTECTION AGENCY
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Site: New Bedford
Region: 1717
Office: 51915

Section: 316(b) Determination

DATE

BY: Robert J. Logey, Regional Biologist

TO: New Bedford Gas and Edison Light Co.

Mr. Phillip A. Morrow Cannon Street Station

Environmental Engineer

New Bedford Gas & Edison Light Co.

P.O. Box 190 *July 28, 1977*

Cambridge, MA 02139 *1973-June 1977*

Re: Permit No. MA0004910

New Bedford Gas and Edison

Cannon Street Station

Dear Mr. Morrow:

Due to our heavy workload in recent months, we have been unable, until now, to analyze the data submitted by you in compliance with the Biological Monitoring requirements for subject permit. Please accept our apologies for this delay.

We have reviewed the biological data from your entrapment monitoring program, and after careful analysis, have concluded that the location, design, and capacity of the intake structure for this station does reflect the best technology available for minimizing adverse environmental impact as required by Section 316(b) of the Federal Water Pollution Control Act, as amended. The existing intake structure is approved, and no further biological monitoring is required at this time. Further monitoring may be required, however, upon reissuance of the present permit.

Any incidence of unusual fish entrapment shall be reported to this office immediately, stating the kinds, sizes, and approximate numbers of fish entrapped, the time of occurrence, operating mode of the plant at the time, and the opinions of the company as to why entrapment occurred.

Thank you for your patience in this matter.

Sincerely yours,

Leslie A. Carothers, Director
Enforcement Division

MEYKNE:dap:7/27/77

CONCURRENCES

SYMBOL							
SURNAME							
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FINFISH FROM THE ACUSHNET RIVER

~~Trawl samples in December 1972, April 1973 and December 1973 have~~
~~shown the presence of nine species of fish in the Acushnet River. These~~
~~samples were taken from the lower section of the river between the hurri-~~
~~cane barrier and Pope Island.~~

In December 1972 a comparable trawl sample was taken outside the hurricane barrier. It is interesting to note the inside fish fauna on this date was quantitatively and qualitatively richer.

~~Included in these Acushnet River fish are the commercially important,~~
~~striped bass, white perch, winter flounder, alewife, smelt and menhaden.~~

In addition to the species collected by trawling, I have seined, Menidia menidia, Atlantic silverside, Fundulus heteroclitus, mummichog, and Fundulus matialis, striped killifish, from the river, and it is well known that in the summer of 1973 a population of Pomatomus saltatrix, bluefish, gave New Bedford anglers many fishing thrills in the lower reaches of the river.

FISH SPECIES COLLECTED BY TRAWL FROM
ACUSHNET RIVER, NEW BEDFORD, MASS.

<u>Date</u>	<u>Species</u>	<u>No. of Individuals</u>
Dec. 1972	<u>Scopthalmus aquosa</u> , windowpane flounder	103
	<u>Pseudopleuronectes americanus</u> , winter flounder	77
	<u>Gobiosoma ginsburgi</u> , goby	21
	<u>Tautoglabrus adspersus</u> , cunner	8
	<u>Alosa pseudoharengus</u> , alewife	4
	<u>Morone saxatilis</u> , striped bass	3
	<u>Osmerus mordax</u> , smelt	1
	<u>Brevoortia tyrannus</u> , menhaden	1
April 1973	<u>Pseudopleuronectes americanus</u> , winter flounder	42
	<u>Scopthalmus aquosa</u> , windowpane flounder	17
	<u>Tautoglabrus adspersus</u> , cunner	9
	<u>Alosa pseudoharengus</u> , alewife	19
	<u>Gobiosoma ginsburgi</u> , goby	11
	<u>Morone americanus</u> , white perch	6
Dec. 1973	<u>Scopthalmus aquosa</u> , windowpane flounder	40
	<u>Pseudopleuronectes americanus</u> , winter flounder	71
	<u>Gobiosoma ginsburgi</u> , goby	27
	<u>Tautoglabrus adspersus</u> , cunner	11

471

FISH SPECIES COLLECTED OUTSIDE HURRICANE (55) 3

<u>Date</u>	<u>Species</u>	<u>No. of Individuals</u>
Dec. 1972	<u>Scothalmus squosus</u> , windowpane flounder	41
	<u>Pseudopleuronectes americanus</u> , winter flounder	19
	<u>Tautoglabrus adspersus</u> , cunner	3
	<u>Morone saxatilis</u> , striped bass	2
	<u>Osmerus mordax</u> , smelt	1
	<u>Menidia menidia</u> , Atlantic silverside	1

67